**Current Subjects in Optics (1 unit).** Discussion of current research topics in optics by optical sciences colloquium speakers. Course may be repeated for a maximum of 2 units or 2 completions.

**Meeting Times:** Thursdays 3:30 - 4:45 p.m.1
The colloquium series will begin on Thursday, January 26, 2017.

**Instructor:** Dr. Michael Hart
Email: mhart@optics.arizona.edu
Phone: 520-626-5265

The purpose of Opti 595A is to introduce students to different aspects of current research in the field of optics. The students are expected to attend the weekly optical sciences colloquium and to write a one page summary about each colloquium. The preferred delivery method is email, to the address above. Alternatively, a hardcopy of the summary can be put in the box outside my office. Either way, the report is due the Thursday after each colloquium. In addition to the weekly assignments, all students in the class will attend one PhD dissertation defense in the College of Optical Sciences and write a summary on the defense. *Distance students who are unable to attend a dissertation defense in person must contact the instructor for an alternate assignment, or arrange to attend a defense remotely.*

**Writing Assignments:** For each colloquium, you should try to answer the following questions:
- What is the topic? Why is this person talking about this? Why should we care? Who would be interested in this?
- What is interesting and not interesting in the speaker’s presentation? What do you like and dislike?
- Why is this important or not important?
- What is the big picture and what are some of the applications?
- What have you learned?
Your write-up should be more than a simple regurgitation of the facts presented in the colloquium. If you want a good grade, you need to show evidence of critical thought.

**Grading:** Grading will be based on the quality of the write-ups. The student is expected to spend two hours a week on the course, one for attending the colloquium and one for writing the one page report.

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Late assignments will be accepted up to a week after it was due and will be graded at 50% off. All materials that are over a week late will receive zero credit. If you want to get A in the class, you can only miss two reports!

**Distance Students**
The colloquia will be posted on-line for viewing by the distance students one week after the colloquium is given. The written reports by the distance students will be due one week after the lectures are posted (two weeks after the presentation is given).

**Academic Integrity**
According to the Arizona Code of Academic Integrity, “Integrity is expected of every student in all academic work. The guiding principle of academic integrity is that a student’s submitted work must be the student’s own.” Unless otherwise noted by the instructor, work for all assignments in this course must be conducted independently by each student. Co-authored work of any kind is unacceptable. Misappropriation of exams before or after they are given will be considered academics misconduct.

Misconduct of any kind will be prosecuted and may result in any or all of the following:
• Reduction of grade
• Failing grade
• Referral to the Dean of Students for consideration of additional penalty, e.g. notation on a student’s transcript re: academic integrity violation, etc.

**Students with Learning Disabilities**
If a student is registered with the Disability Resource Center, he/she must submit appropriate documentation to the instructor if he/she is requesting reasonable accommodations.